

IN THE ABSTRACT:

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ABSTRACT OF THE DISCLOSURE

A magnetic sensor of an electronic instrument has a circular or substantially circular component that assumes magnetism in the vicinity of its circumference. An X axis magnetic sensor detects a magnetic field component in the X axis direction that is arranged in a position inside the vicinity of the circumference of the component, or is arranged such that a detection axis of the magnetic sensor overlaps an X axis passing through the center of the component in an arbitrary position on the X axis or on its extended line. A Y axis magnetic sensor detects a magnetic component in a Y axis direction that is arranged inside the vicinity of the circumference of the component, or is arranged such that a detection axis of the magnetic sensor overlaps a Y axis passing through the center of the component and perpendicular to the X axis in an arbitrary position on the Y axis or on its extended line. A correcting circuit corrects the signals outputted from the X axis magnetic sensor and the Y axis magnetic sensor.